

WEB API WORKSHOP

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REST

Respresentational State Transfer

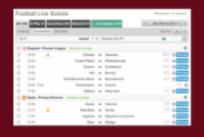
- Architectual style of the web
- A standard / set of guidelines by which we can structure & create API's
- REST API's have identifiable properties....

REST Properties

They Make use of Reasource-based URL's

Webpage - http://www.football.com/scores http://www.football.com/teams/arsenal

JSON - http://www.football.com/api/scores http://www.football.com/api/teams/arsenal



REST Properties

They Make use of HTTP Methods

- GET Used to retrieve data from the server
- POST Used to send data to the server
- PUT Used to update data
- DELETE Used to delete data

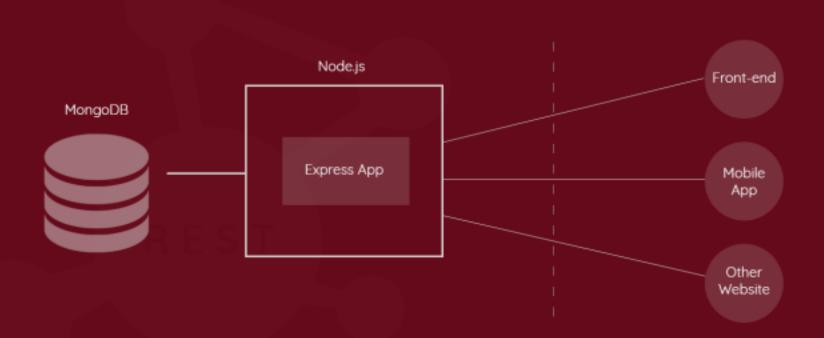
REST Properties

They Make use of HTTP Status Codes

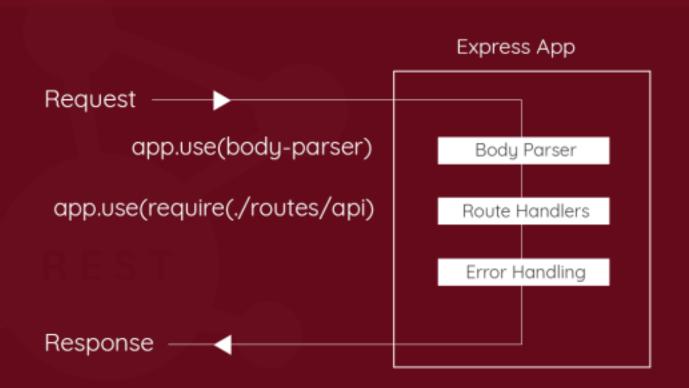
Examples:

- 200 means OK
- 404 means resource not found
- 500 means server error

Middleware



Middleware



Mongoose

 Adds a layer of methods to easily save, edit, retreive and delete data from mongodb

- Allows us to create our Models and Schemas easily